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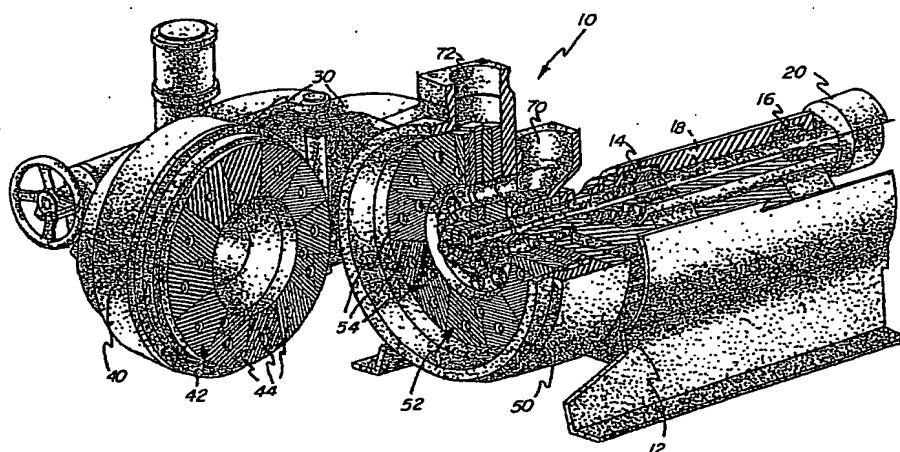
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(54) Title: **SELF-ALIGNING AND ACTIVELY COMPENSATING REFINER STATOR PLATE SYSTEM**



(57) Abstract: An improvement to a mechanical refining system relates to an apparatus including three or more actuators coupled to a stator of the refining system, and a controller for independently operating the actuators. An improved method of refining permits adjustment of the overall width of a refining gap between refining elements mounted by the stator and a rotor as well as the trim of the refining elements relative to each other. In accordance with an especially preferred embodiment, the apparatus comprises an end plate, a stator including a refining element, and three or more actuators coupled to the stator for controlling the position and orientation of the stator. The end plate closes the open end of a refiner casing and also provides support for the actuators. In this manner, the apparatus can be used either as an original component of a newly-manufactured system or as a retrofit to an existing system.

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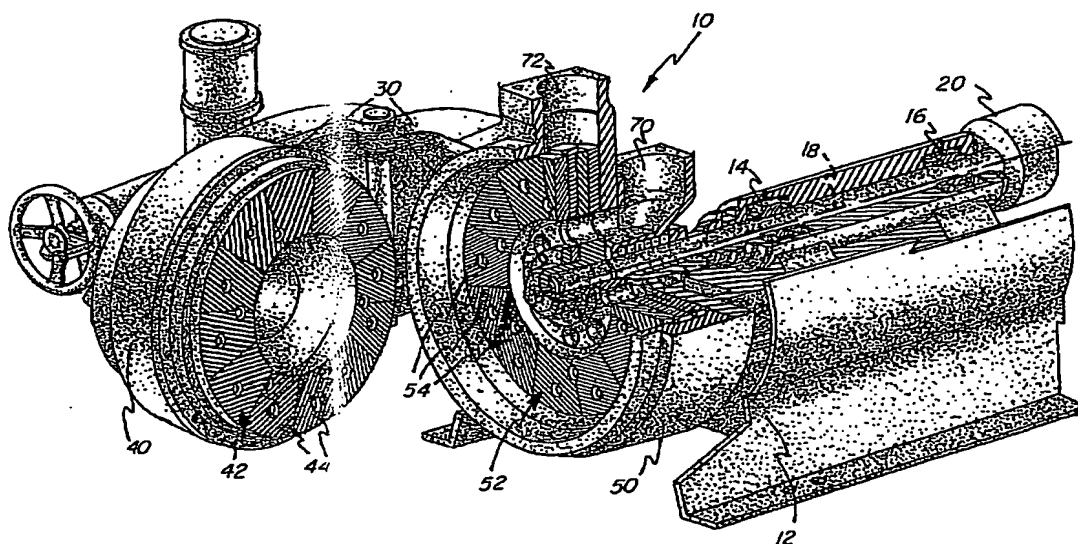
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(54) Title: SELF-ALIGNING AND ACTIVELY COMPENSATING REFINER STATOR PLATE SYSTEM



(57) Abstract: An improvement to a mechanical refining system relates to an apparatus including three or more actuators (100) coupled to a stator (42) of the refining system, and a controller for independently operating the actuators. An improved method of refining permits adjustment of the overall width of a refining gap between refining elements mounted by the stator and a rotor as well as the trim of the refining elements relative to each other

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